

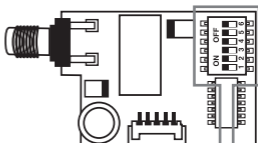
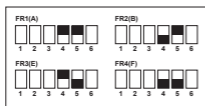
# PRODUCT SPECIFICATION

|                      |                         |  |             |             |              |     |
|----------------------|-------------------------|--|-------------|-------------|--------------|-----|
| <b>MODE: TS58500</b> |                         | 5.8G 500mW 32 Channel AV<br>Transmitter Module |             |             |              |     |
|                      | <b>Modulate</b>         | <b>Wideband FM Modulate</b>                    |             |             |              |     |
|                      | <b>Video Format</b>     | <b>NTSC/PAL</b>                                |             |             |              |     |
|                      | <b>Characteristics</b>  | <b>Value</b>                                   |             |             | <b>Units</b> |     |
|                      |                         | <b>Min.</b>                                    | <b>Typ.</b> | <b>Max.</b> |              |     |
| <b>1</b>             | <b>Output Impedance</b> | ---  | 50          | ---         | Ohm          |     |
| <b>2</b>             | <b>Output Power</b>     | 26   | 26.5        | 27          | dBm          |     |
| <b>3</b>             | <b>Frequency range</b>  | <b>Channel Frequency</b>                       |             |             |              |     |
|                      | <b>FR1 or (A)</b>       | <b>CH1</b>                                     | ---         | 5865        | ---          | MHz |
|                      |                         | <b>CH2</b>                                     | ---         | 5845        | ---          | MHz |
|                      |                         | <b>CH3</b>                                     | ---         | 5825        | ---          | MHz |
|                      |                         | <b>CH4</b>                                     | ---         | 5805        | ---          | MHz |
|                      |                         | <b>CH5</b>                                     | ---         | 5785        | ---          | MHz |
|                      |                         | <b>CH6</b>                                     | ---         | 5765        | ---          | MHz |
|                      |                         | <b>CH7</b>                                     | ---         | 5745        | ---          | MHz |
|                      |                         | <b>CH8</b>                                     | ---         | 5725        | ---          | MHz |
|                      | <b>FR2 or (B)</b>       | <b>CH1</b>                                     | ---         | 5733        | ---          | MHz |
|                      |                         | <b>CH2</b>                                     | ---         | 5752        | ---          | MHz |
|                      |                         | <b>CH3</b>                                     | ---         | 5771        | ---          | MHz |
|                      |                         | <b>CH4</b>                                     | ---         | 5790        | ---          | MHz |
|                      |                         | <b>CH5</b>                                     | ---         | 5809        | ---          | MHz |
|                      |                         | <b>CH6</b>                                     | ---         | 5828        | ---          | MHz |
|                      |                         | <b>CH7</b>                                     | ---         | 5847        | ---          | MHz |
|                      |                         | <b>CH8</b>                                     | ---         | 5866        | ---          | MHz |
|                      | <b>FR3 or (E)</b>       | <b>CH1</b>                                     | ---         | 5707        | ---          | MHz |
|                      |                         | <b>CH2</b>                                     | ---         | 5685        | ---          | MHz |
|                      |                         | <b>CH3</b>                                     | ---         | 5665        | ---          | MHz |
|                      |                         | <b>CH4</b>                                     | ---         | 5645        | ---          | MHz |
|                      |                         | <b>CH5</b>                                     | ---         | 5885        | ---          | MHz |
|                      |                         | <b>CH6</b>                                     | ---         | 5905        | ---          | MHz |
|                      |                         | <b>CH7</b>                                     | ---         | 5925        | ---          | MHz |
|                      |                         | <b>CH8</b>                                     | ---         | 5945        | ---          | MHz |
|                      | <b>FR4 or (F)</b>       | <b>CH1</b>                                     | ---         | 5740        | ---          | MHz |
|                      |                         | <b>CH2</b>                                     | ---         | 5760        | ---          | MHz |
|                      |                         | <b>CH3</b>                                     | ---         | 5780        | ---          | MHz |
|                      |                         | <b>CH4</b>                                     | ---         | 5800        | ---          | MHz |
|                      |                         | <b>CH5</b>                                     | ---         | 5820        | ---          | MHz |
|                      |                         | <b>CH6</b>                                     | ---         | 5840        | ---          | MHz |
|                      |                         | <b>CH7</b>                                     | ---         | 5860        | ---          | MHz |
| <b>CH8</b>           |                         | ---  | 5880        | ---         | MHz          |     |

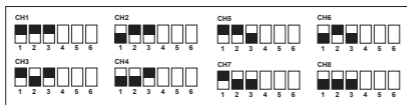
|    |                         |                 |     |     |      |
|----|-------------------------|-----------------|-----|-----|------|
| 4  | Operating Voltage       | 7.0             | 12  | 24  | V    |
| 5  | Supply current          | ---             | 220 | --- | mA   |
| 6  | Operating Temperature   | -10             | --- | +85 | °C   |
| 7  | Video Band Width        | 0               | --- | 8.0 | MHz  |
| 8  | Audio carrier Frequency | ---             | 6.5 | --- | MHz  |
| 9  | Video Input Level       | 0.8             | 1.0 | 1.2 | Vp-p |
| 10 | Video Input Impedance   | ---             | 75  | --- | Ohm  |
| 11 | Audio Input Level       | 0.5             | --- | 2.0 | Vp-p |
| 12 | Audio Input Impedance   | ---             | 10K | --- | Ohm  |
| 13 | Weight                  | ---             | 10  | --- | g    |
| 14 | Antenna Connector       | RPSMA Connector |     |     |      |
| 15 | Dimensions (L x W x H)  | 42x23x8mm       |     |     |      |

## Frequency and channel frequency tablev

FR



CH



| FR | CH     | CH    |       |       |       |       |       |       |       |
|----|--------|-------|-------|-------|-------|-------|-------|-------|-------|
|    |        | CH1   | CH2   | CH3   | CH4   | CH5   | CH6   | CH7   | CH8   |
| FR | FR1(A) | 5865M | 5845M | 5825M | 5805M | 5785M | 5765M | 5745M | 5725M |
|    | FR2(B) | 5733M | 5752M | 5771M | 5790M | 5809M | 5828M | 5847M | 5866M |
|    | FR3(E) | 5705M | 5685M | 5665M | 5645M | 5885M | 5905M | 5925M | 5945M |
|    | FR4(F) | 5740M | 5760M | 5780M | 5800M | 5820M | 5840M | 5860M | 5880M |

Line 1:DC\_IN(7-24V)  
Line 2:GND  
Line 3:AUDIO\_IN  
Line 4:VIDEO\_IN  
Line 5:GND

